

# The PHENIX Data Acquisition System

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## Abstract

The PHENIX detector has a high rate Data Acquisition System that can sample every collision up to ten times the design luminosity of RHIC. It is a crucial element to PHENIX's ability to study rare probes. To achieve these high rates, the PHENIX DAQ was designed as a multiply staged, parallel pipeline system. The success of this design was demonstrated during year 1 of RHIC operations, when PHENIX recorded over five million minimum bias Au-Au collisions at a  $\sqrt{s} = 130$  A GeV. An overview of the PHENIX DAQ will be given, including an assessment of its performance during the first year of data taking.

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